## APPLICATION FOR PERMISSION TO CHANGE POINT OF DIVERSION, MANNER OF USE AND PLACE OF USE OF THE PUBLIC WATERS OF THE STATE OF NEVADA HERETOFORE APPROPRIATED

1. The source of water is	Date of filing in State Engineer's Office. AUG 1 6 1990		
The applicant Yankee/Catthness Joint Venture, L.P.  P.O. Box 18160 Street and No. or FO. Box No.  Nexada .89511 State and Zip Code No.  Point of diversion and place of USE. Point of diversion and Permit No. 42444 Resembly right to Decree.  1. The source of water is. Underground Name of stream, lake, underground upring or other course.  2. The amount of water to be changed 10.0 cfs Second feet, sere foot. One record from equals 448.83 galines per minute. Industrial and domestic introduces and kind of unimate. Indust	Returned to applicant for correction		
P.O., Box 18150 Since and No. or P.O. Box No.  Nevada 89511 Since and Zip Code No.  Point of diversion and place of Use Point of diversion and place of Use Point of Deversion of Point of Deversion of Use Industrial and Office of Use Industrial	Corrected application filed	Map filed OCT 1 7 1990 under 55191	
Nexada   89511   Saus and zip code No.   April   Apr	The applicant Yankee/Caithness Joint Vent	ture, L.P.	
Nexada   89511   Saus and zip code No.   April   Apr	P.O. Box 18160	f Reno	
Point of diversion and place of use Point of diversion, manuer of use, and/or place of use of water heretofore appropriated under Permit No. 42444 Permit, Certificate, Proof or Claim Nos. If Decreed, give title of Decree and Adeasity right in Decree.  1. The source of water is.  1. The source of water to be changed 10.0 cfs 1			
of water heretofore appropriated under			
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2. The amount of water to be changed. 10.0 cfs  3. The water to be used for	identify right in Decree.		
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3. The water to be used for	10.0.0		
4. The water heretofore permitted for industrial and domestic Irrigation, power, mining, industrial, etc. If for stock state number and kind of animals.  5. The water is to be diverted at the following point. NW SW SW Section 32, T.18N., R.20E., M.D.B.&M. Describe as being within a 40-acro subdivision of public sugrey and by course and or at a point from which the N% corner of said Section 32 bears N 35 51 39" distance in a section corner. If on unsurveyed land, it should be stated.  E a distance of 4,196.69 feet. Well No. 16-32 or No. 16A-32.  6. The existing permitted point of diversion is located within NW SW Section 32, T.18N., R.20E., If point of diversion is not changed, do not answer.  M.D.B.&M., or at a point from which the NW corner of said Section 32 bears N  O70 09 47" W a distance of 3,221.24 feet.  7. Proposed place of use. NY., NW SW, NW SW, NW SE and NY SW Section 5, T.17N., Describe by legal subdivisions. If for irrigation state number of acres to be irrigated.  R.20E., M.D.B.&M. and Section 32, T.18N., R.20E., M.D.B.&M.  8. Existing place of use. Section 32, T.18N., R.20E., M.D.B.&M.  Describe by legal subdivisions. If permit is for irrigation, state number of acres to be irrigated. If changing place of use and/or manner of use of irrigation permit, describe acreage to be removed from irrigation.  9. Use will be from January 1st North and Day Occupance of the second of the subdivision of permit describe acreage to be removed from irrigation.  9. Use was permitted from January 1st North and Day Occupance of the subdivision of permit describe acreage to be removed from irrigation.  9. Use was permitted from January 1st North and Day Occupance of the subdivision of permit depending upon reservoir condimination of the subdivision of your diversion or storage works.) Drill Well: depending upon reservoir condimination.	Second le		
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tions may or may not install pump and motor; install piping to power plant(s).  ditches, pipes and flumes, or drilled well, etc.			
ditches, pipes and flumes, or drilled well, etc.  12. Estimated cost of works. Up to \$900,000.00			
13. Estimated time required to construct works Up to five (5) years.			

14. Estimated time required to complete the application of water to beneficial use Up to ten (10) years
15. Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use:
The purpose of this application is to change the previously permitted point of
diversion and place of use. The steam and geothermal fluid produced from this wel
may be utilized by an existing power plant and/or other electrical generation units located in Section 5, T.17N., R.20E., M.D.B.&M. and/or electrical generation units to be built in Section 32, T.18N., R.20E., M.D.B.&M.
By s/T. S. Deforg for Yankee/Caithness Joint Venture, L.P. P.O. Box 18160 Reno, Nevada 89511
Protested
APPROVAL OF STATE ENGINEER
This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions: This permit to change the place of use of the geothermal fluid as heretofore granted under Permit 42444 is issued subject to the terms and conditions imposed in said Permit 42444 and with the understanding that no other rights on the source will be affected by the change proposed herein.  This permit is issued subject to existing rights. It is understood that the amount of geothermal fluid herein granted is only a temporary allowance and that the final right obtained under this permit will be dependent upon the amount actually placed to beneficial use. It is also understood that this right must allow for a reasonable decrease of fluid pressure and heat. The well shall be equipped and maintained to prevent any waste of the geothermal fluid. Accurate measurements must be kept of discharge of the production well and the amount of fluid injected into the injection well to determine the total amount of fluid diverted and consumed for a beneficial use.  The production and injection well are to be cemented from the producing levels to the surface to protect fresh water zones. This permit is issued subject to the condition that only geothermal fluids are to be diverted and used beneficially for heating purposes and fresh, cold water aquifers are not to be diverted. The used geothermal fluids are to be returned to the source via the injection well. The (CONTINUED ON PAGE 2)
The amount of water to be changed shall be limited to the amount which can be applied to beneficial use, and not to exceed
Work must be prosecuted with reasonable diligence and be completed on or before
Proof of completion of work shall be filed before August 27, 1991
Application of water to beneficial use shall be made on or before
Proof of the application of water to beneficial use shall be filed on or before
Map in support of proof of beneficial use shall be filed on or before N/A
Completion of work filed IN TESTIMONY WHEREOF, I, R. MICHAEL TURNIPSEED, P.E.  State Engineer of Nevada, have hereunto set my hand and the seal of my
Proof of beneficial use filed office, this 20th day of March
Cultural map filed
Certificate NoIssued A.D. 19
State Engineer

Abrogated By 66448 D.C.S.

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## (PERMIT TERMS CONTINUED)

issuance of this permit does not waive the requirements that the permit holder obtain other permits from State, Federal and local agencies. A detailed log on the injection well and/or other analyses of the system used for returning the used geothermal fluids to the source must be submitted together with the Proof of Completion.

An annual report for this well must be filed under this permit describing the amount of geothermal fluid diverted and consumed to a beneficial use for the calendar year. This report must detail the amount of fluid produced and injected.

The total withdrawal of the geothermal fluid shall be limited to 7240 acre-feet per year. The State Engineer does not waive the right to make a determination of incidental fluid losses at any time and impose additional conditions thereto. This permit is further issued subject to the provisions of NRS 533.372(1) and with the understanding that the power or energy generated by the beneficial use of this water or steam is subject to recapture and use within the boundaries of the State of Nevada when the need arises.

The total combined consumptive use under Permits 50914, 53848, 55191, 55192, 55193, 55194, 55195, 55196, 55197, 55198 and 55199 shall not exceed the total combined diversion rate or 7963.67 acre-feet annually.

